Nov. 21, 1944. H. S. JOHNSON 2,363,333

ROCKER

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Fig. 1

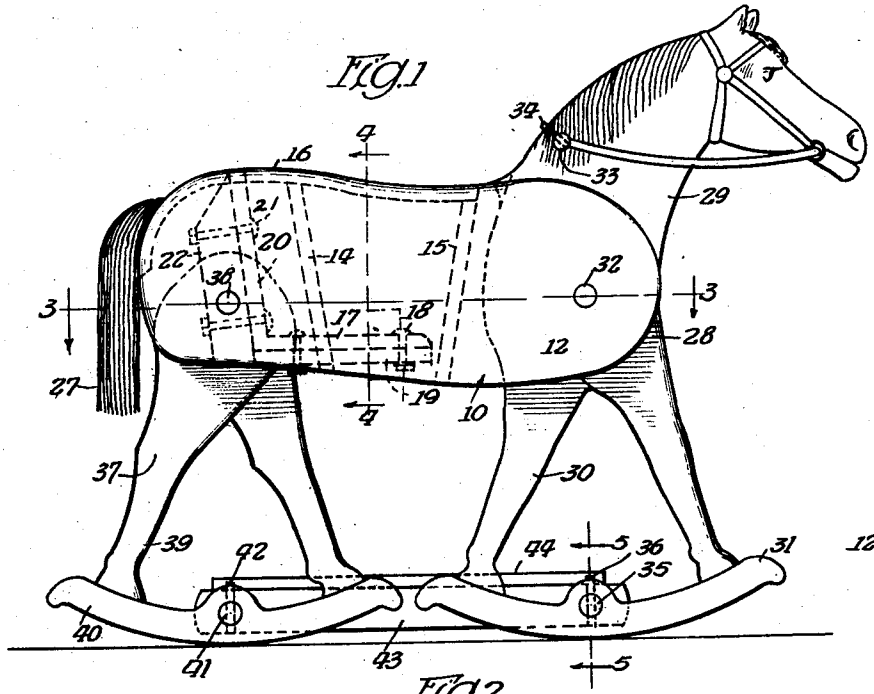


Fig. 4

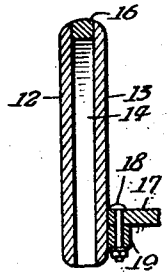


Fig. 2

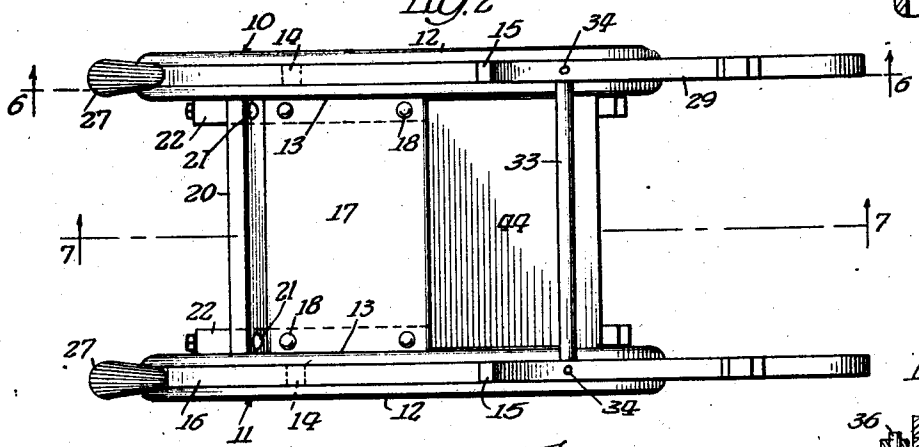


Fig. 5

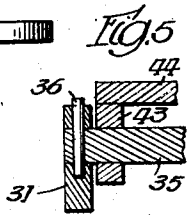
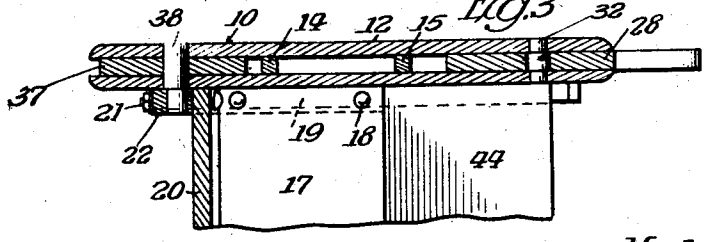


Fig. 3



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Fig. 6

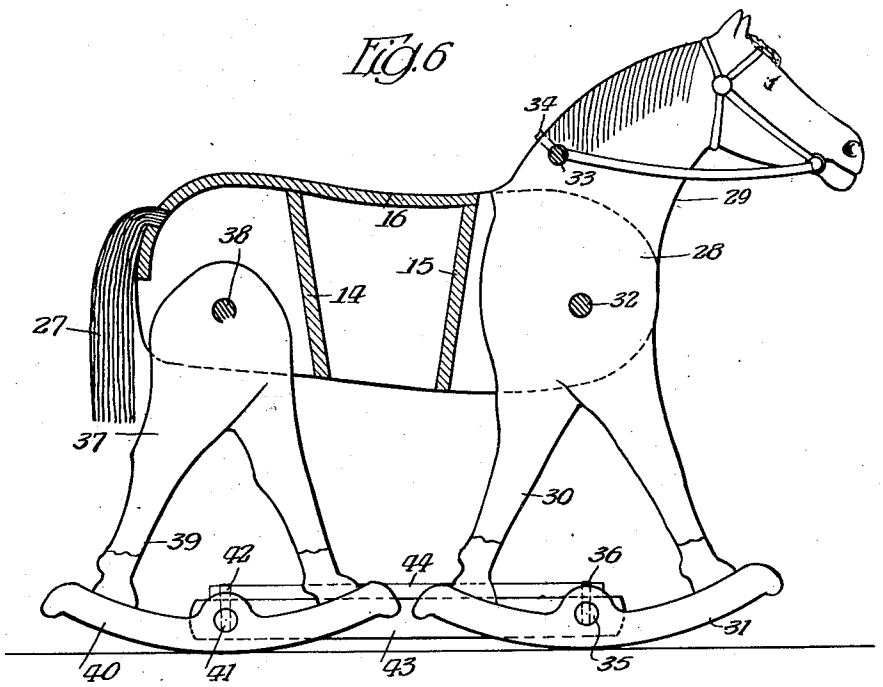
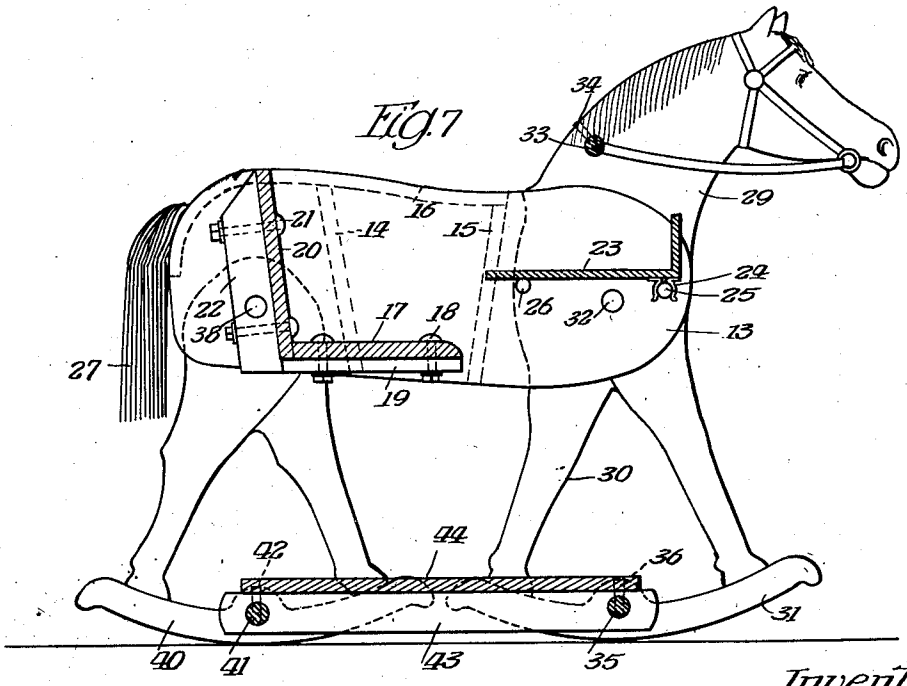


Fig. 7



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UNITED STATES PATENT OFFICE

2,363,333

ROCKER

Herbert S. Johnson, Chicago, Ill.

Application November 25, 1943, Serial No. 511,663

5 Claims. (Cl. 272—52)

This invention relates to rockers or gliders intended particularly for small children and adapted to serve for the purpose of exercise as well as amusement.

The principal object of the invention is to provide a new toy or rocker which will be particularly pleasing and attractive in appearance and which will be durable in use.

Other objects are to provide a rocker of the kind indicated which may be made of comparatively few parts and constructed so that it may be knocked down for shipping and storage purposes, and to provide a toy or rocker in which the entire structure simulates a horse or other animal.

Other objects and advantages will appear more fully from the following description taken in connection with the accompanying drawings, in which

Fig. 1 is a side view of a rocker or toy embodying this invention;

Fig. 2 is a plan view of the same;

Fig. 3 is a sectional detail taken on the line 3—3 of Fig. 1;

Fig. 4 is a sectional detail taken on the line 4—4 of Fig. 1;

Fig. 5 is a sectional detail taken on the line 5—5 of Fig. 1;

Fig. 6 is a longitudinal sectional view taken substantially on the line 6—6 of Fig. 2; and

Fig. 7 is a sectional view taken substantially on the line 7—7 of Fig. 2.

As shown in these drawings, the toy or structure comprises generally two complemental or similar side frames 10 and 11 which are connected together to form the complete article. Each side frame includes complemental outer and inner boards or plates 12 and 13 which simulate the body of the animal and which form the principal body portions of the toy. These plates are securely fastened together by supporters or bars 14 and 15 which also act as stops as will presently be explained. The frame boards or plates are also further secured together by strips 16 which are interposed between the upper edges and extend back to the rear portions as shown in Fig. 1. These strips also serve in the nature of arm rests and prevent fingers from being inserted between the boards.

A seat 17 is positioned between the side frames and is detachably secured thereto by means of bolts or screws 18 which engage with strips or brackets 19 secured to the inner face of the body members 13 as shown in detail in Fig. 4. The seat has a back 20 which is detachably secured to the side frames by means of bolts or screws 21 which engage with strips or brackets 22 secured to the side frames in any suitable manner.

A box or shelf 23 is preferably provided on which toys or dishes may be placed. This shelf or member is detachably secured to the side boards 13 by means of spring clips 24 which engage with studs 25 and the board also rests on additional studs or pins 26 as shown in Fig. 7. This provides means whereby the board or box may be swung up when the child is placed on the seat and it may also be detached when desired. The side frames may also be provided with tails 27.

Each of the side frames is provided with a combined supporting and actuating member 28 which is preferably made to simulate the fore part of an animal such as a horse and includes an upper neck and head portion 29 and downwardly extending legs 30. The lower ends of the legs, or the feet, are secured to rockers 31. Each of the supporting members 28 fits between the end portions of the side frame boards 12 and 13 and are pivoted on short pivot pins or trunnions 32. A cross rod or handle bar 33 extends across between the neck portions 29 and is preferably held in detachable position by dowel pins 34. The rockers 31 are detachably connected by means of a cross rod 35 which is also preferably held by means of dowel pins 36 so that the rod may be readily installed or removed.

The rear ends of the frame members 10 and 11 are also provided with supports 37 which preferably simulate the hips and legs of the animal as indicated. The upper ends of these supports fit closely between the side plates or boards of the frame members and are pivotally connected therewith by short pivot pins or trunnions 38 extending through the adjacent side plates. The leg portions 39 are preferably spread apart with their lower ends or feet secured to rockers 40 which are similar to the rockers 31. The rockers 40 are connected by a cross rod 41 detachably secured to the rockers by the dowel pins, or the like 42. Two side bars 43 are pivotally connected with the cross rods 35 and 41, as shown in Fig. 7 and serve to hold the rockers in spaced relation. These bars also support a platform or foot rest 44.

It will be readily seen that after the several parts have been made, the two side frames may be placed together and the other parts stacked or placed thereon in disassembled condition so that the entire toy or rocker may be readily placed in a carton or wrapped for convenience in storing or shipping. When the parts are to be assembled, to complete the structure, the front supporting portion 28 and rear supporting portion 37 are placed in their respective positions and the pins 32 and 38 inserted. The cross rods 33, 35 and 41 may then be inserted in their respective holes and fastened by the fastening pins. Then by bolting the seat members in position, a very rigid and substantial construction is provided.

When the rocker or toy is to be used by a child,

the child may sit on the seat and grasp the cross rod or handle **33** and by alternately pulling and shoving on the same, the toy will be caused to rock back and forth. During this movement, the seat moves in a substantially horizontal plane without any appreciable vertical movement. The ends of the rockers are preferably formed to act as stops to limit the movement, but the lower ends of the spacer members **14** and **15** also serve as additional stops to prevent undue movement of the rocker. It will be seen that if the body moves to the right, as shown for instance in Fig. 6, the lower end of the bar **15** will be engaged by the adjacent rear edge of the front supporting member **28** and will stop further relevant movement in such direction. Likewise, if the body moves to the left, the rear supporting member **37** will strike the lower end of the bar **14** and stop further movement in that direction.

While I have shown and described a preferred form of my invention, changes may be made in the arrangement of the parts or details of construction without departing from the scope thereof and therefore I do not wish to be limited to such construction except as set forth in the following claims in which

I claim:

1. A rocker comprising two spaced apart complemental side frames, each of said frames comprising two plates with spacers therebetween a seat detachably mounted between the frames and serving to tie them together, vertical supporting members pivotally and detachably mounted between the plates in the front portions of the respective frames, rockers secured to the lower portions of said supporting members, a second pair of supporting members pivotally and detachably mounted between the plates in the rear portions of the respective frames, rockers secured to the lower portions of said last named supporting members, a cross rod detachably secured to the two first named rockers, a cross rod detachably secured to the two second named rockers, and link means between the two cross rods for holding them in spaced relation.

2. A rocker or hobby-horse, comprising side frames shaped to simulate the body of a horse, each frame comprising two parallel plates, strips between each pair of plates for fastening them together, a seat secured to the side frames and extending across the rear portion thereof, supports simulating the fore part of a horse pivotally mounted between the front ends of the plates of the respective side frames, rockers secured to the lower ends of the leg portions of each of said supports, a cross rod connecting said rockers, supports simulating the rear legs of the horse pivotally mounted between the rear ends of the plates of each side frame, rockers secured to the lower ends of the said supports, a cross rod between said rockers, bars connecting the cross rods, a platform secured to said bars and a handle bar extending across between the upper or neck portions of the first named supporting members.

3. A knock-down toy or rocker simulating an animal, comprising channel side frames simulating the body of the animal, bars secured to the opposed inner faces of the side frames, a seat member detachably secured to said bars, a pair of front rockers, members simulating the fore part of the animal connected to the rockers and extending up through the channels of the side frames, short bearing pins through each side frame pivotally connecting the frames with said members, a transverse connecting rod between the rockers, pins for detachably holding the rod in engagement with the rockers, a transverse handle bar detachably connected with the upwardly extending portions of said members, a pair of rear rockers, members simulating rear portions of the animal extending upwardly from the rockers into the respective channels of the side frames, pivot pins through the side frames for detachably connecting said last named members with said frames, a transverse cross rod connecting the rear rockers, pins for detachably connecting the rod with the rockers, longitudinal bars connecting the said transverse rods, a platform on said bars, stops on the side frames for engagement with the supporting members to limit the rocking movement and a tray detachably mounted between the front ends of the side members.

4. A hobby horse, or the like, comprising in combination, two spaced apart side frames, each frame including outer and inner complemental plates, bars between the plates of each frame for holding the respective plates in spaced relation and to serve as stops, a seat extending between the frames, means for securing the seat to the respective frames, a back for said seat, means for securing the back to the respective frames, a shelf mounted between the frames in front of the seat, vertically arranged supporting members fitting closely between the front ends of the plates of the respective frames, pivots connecting said supporting members with the plates, rockers secured to the lower ends of the supporting members, a cross rod connecting the rockers, vertically arranged supports fitting closely between the rear ends of the side plates of the respective frame members, pivots connecting the supports with the plates, rockers connected with the lower ends of said supporting members, a cross rod connecting said last named rockers and links between said cross rods for holding the rockers in spaced relation, substantially as described.

5. A rocker comprising two complemental side frames **10** and **11**, each of said frames including outer and inner boards simulating the body of an animal and forming the principal body portion of the rocker, means for securing the plates of the respective frames together and providing spaces therebetween, strips interposed between the upper edges of the boards of the respective frames to close the opening along said edges, a seat positioned between the side frames, means for detachably securing the seat to the frames, combined supporting and actuating members simulating the fore part of an animal, means for pivoting said members between the boards of the respective side frames, rockers secured to the lower ends of said supporting members, a cross bar connecting the upper portions of said supporting members and serving as a handle for actuating the rocker, supporting members simulating the legs and rear portion of the animal pivotally mounted between the boards of the respective side frames, rockers secured to the lower ends of the last named supporting members, and means for connecting the front and rear pairs of rockers whereby they will move in unison, substantially as described.

HERBERT S. JOHNSON.